



# Suzuki DR650 SE diaphragm and gasket replacement

make vacuum fuel tap new sealing and passable

Written By: Sabrina



## INTRODUCTION

In vacuum Petcocks it can always cause problems with the fuel supply and leaks. Therefore this should be every now and then checked and cleaned. Here is a guide to complete sealing exchange at a Suzuki DR650SE SP46B. Please make sure to use original parts. (Had problems with accessories)



### TOOLS:

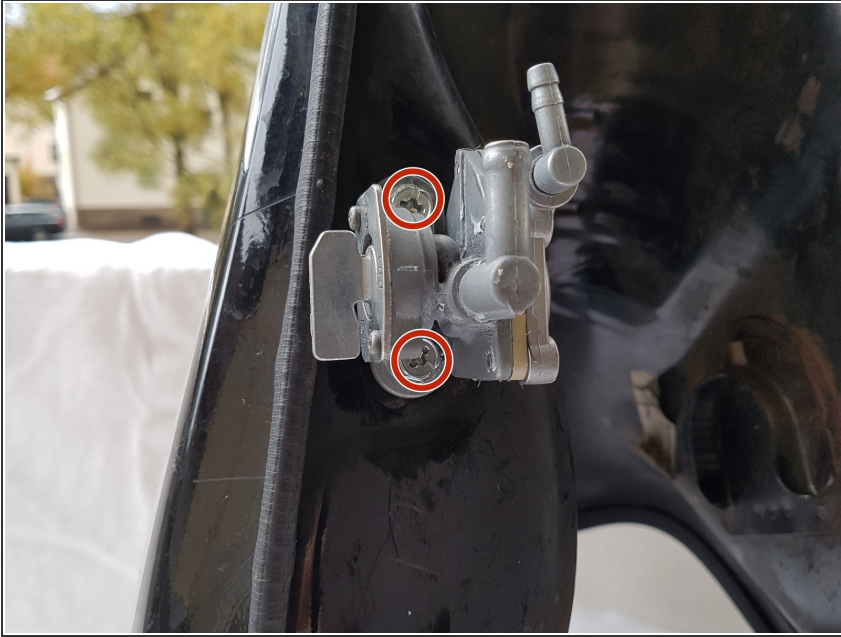
- [Metal Spudger](#) (1)
- [PH2 screwdriver](#) (1)



### PARTS:

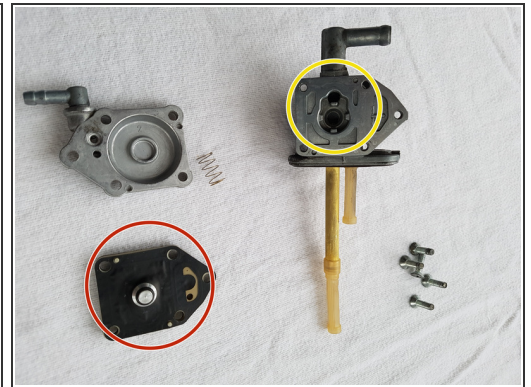
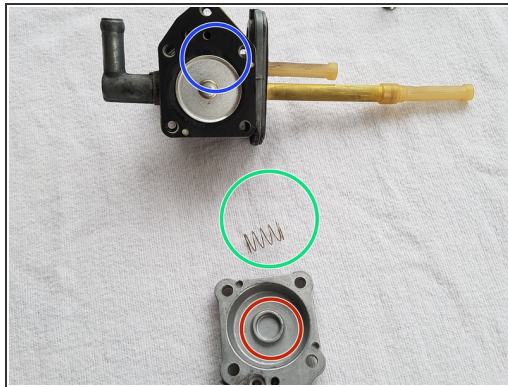
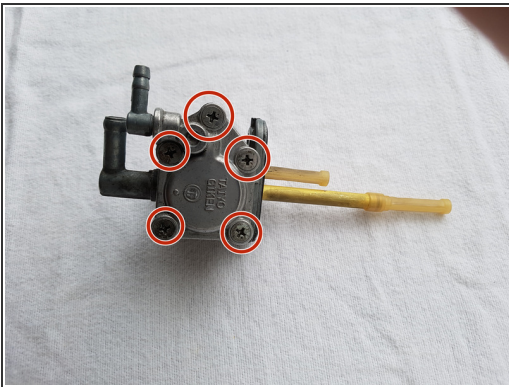
- [1 Fuel tap seal kit](#) (1)

## Step 1 — Diaphragm and gasket



- The two screws here quite fun with a large Phillips, or 10 engineers wrench, unscrew.
- Very important: The tank should be full so that it does not leak if possible at most 1/4. Then you can stand it vertically.

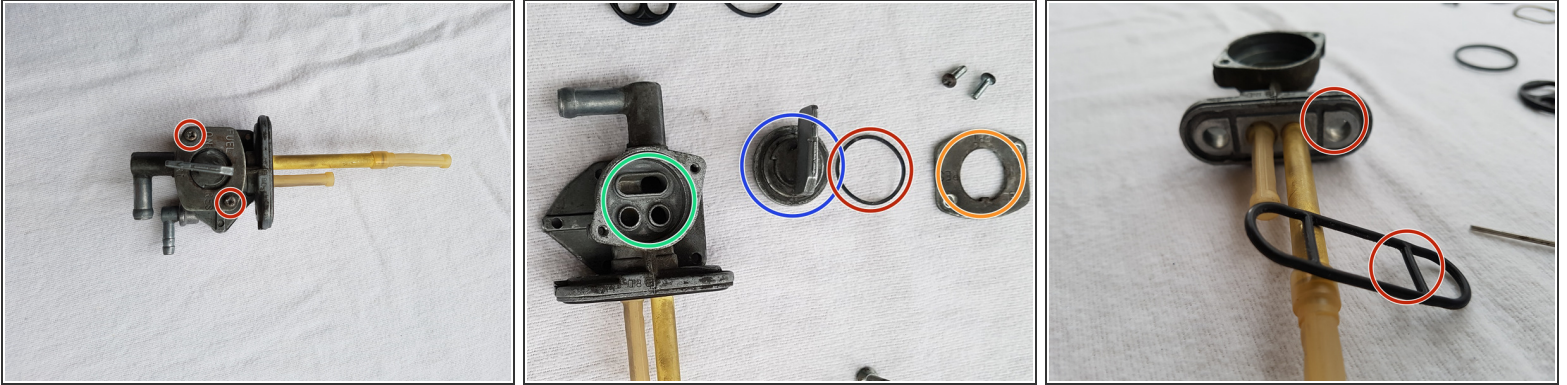
## Step 2



- Remove the 5 screws of the diaphragm cover with a Phillips PH2 and remove the cover carefully. Attention here the diaphragm spring jumps out.
- Membrane
- Membranfeder
- Membranabdeckung
- Check the gaskets and clean if necessary.
- Remove the membrane with plate now.



### Step 3

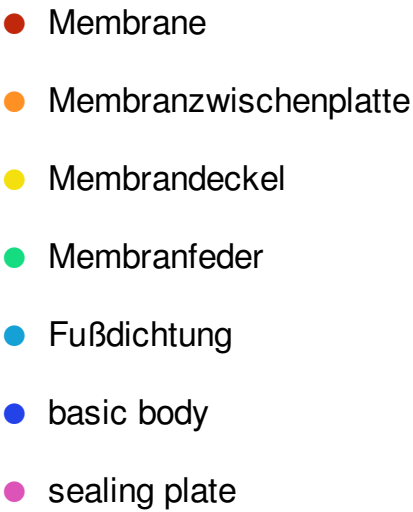


- Unscrew the two screws with a Phillips PH2. Then remove the actuator.
- Remove sealing plate and O-ring.
- Steller
- spring washer
- cover plate
- nor expand the base gasket now.

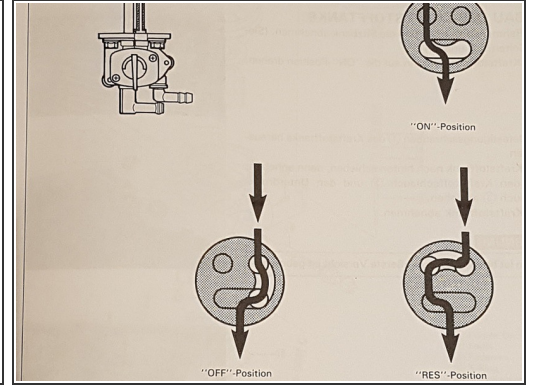
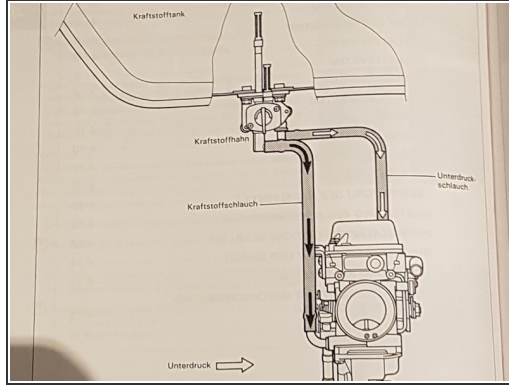
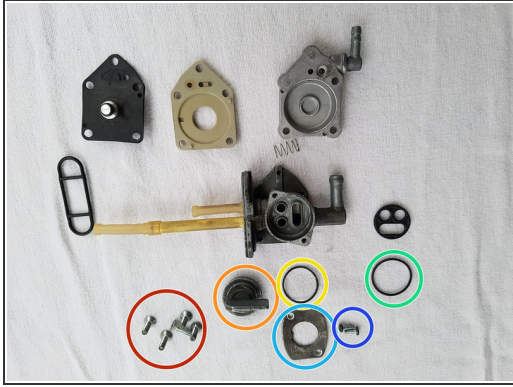
### Step 4



- Remove the membrane. Now we have even dismantled everything.



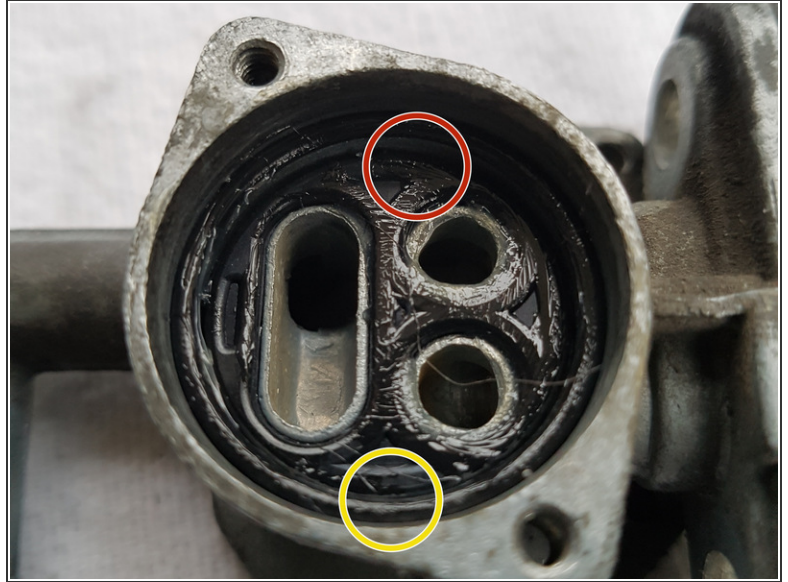
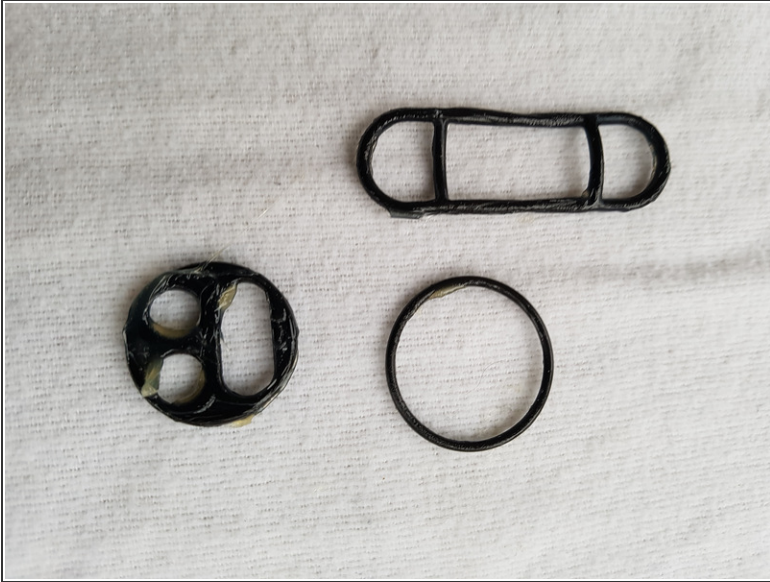
## Step 6



- countersunk screws
- Steller
- spring washer
- O-Ring
- cover plate
- Head Screws
- And here is an illustration of how the fuel cock works.



## Step 7



- The 3 seals lightly grease. To remove the old seals use the metal spudger. The new one can press purely by hand.
- sealing plate
- and O-ring into the base body.

## Step 8



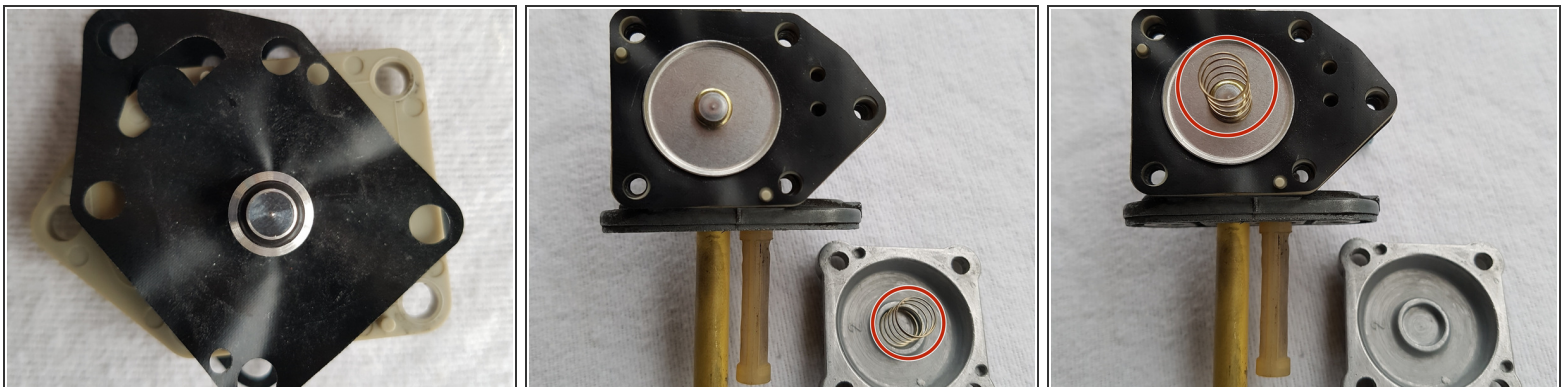
- Thread the lock washer and the cover plate in the controller and build into the base body. Make sure that will not impede the screw on the spring ring. One notices this when turning from "On" to "Res" when it comes here to block, the spring ring is clamped. Then make a stop again.

## Step 9



- Install the new diaphragm back in the intermediate plate.

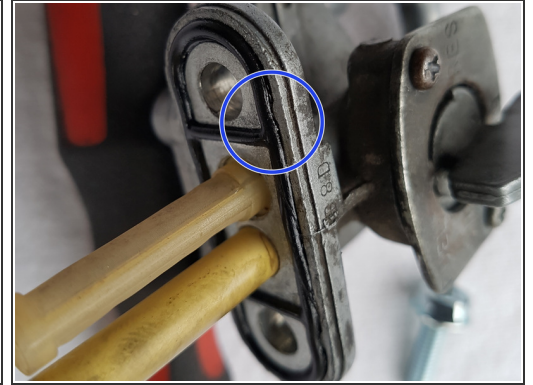
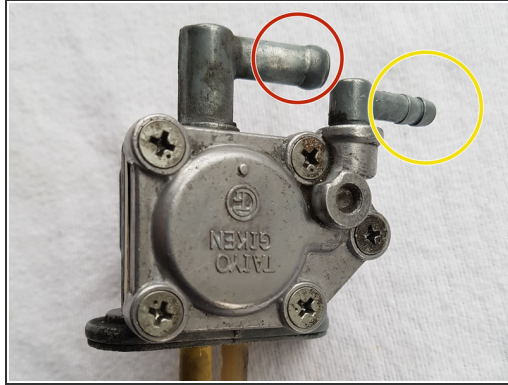
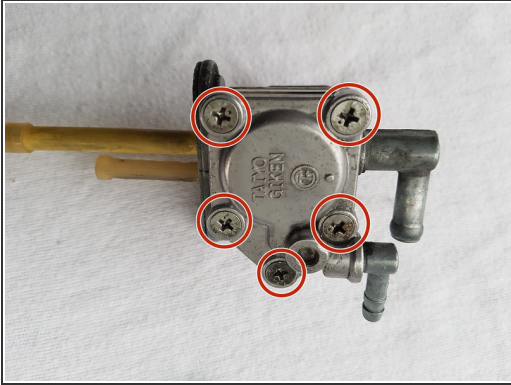
## Step 10



- The membrane reinstall into the base body.
- The spring set centrally on the plate.
- When assembling make sure that the spring is located exactly in the ring on the inside of the diaphragm cover, because of the closure on the other side can misjudged.

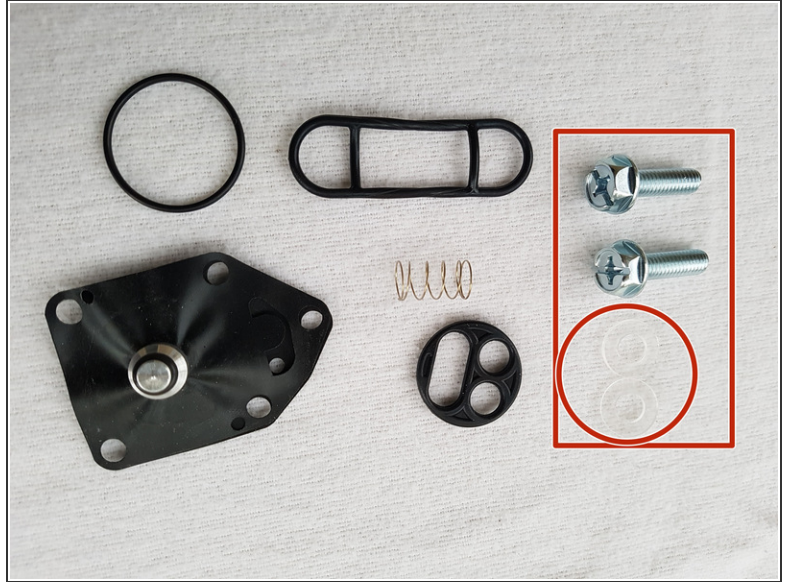


## Step 11



- The 5 Phillips screws to screw again with a matching Phillips screwdriver (PH2).
- Benzinanschluss
- Vacuum port
- To test the function you have now the vacuum port, a slight vacuum or edit, characterized the closure must be satisfied. This can then blow through the fuel connection test. If the vacuum drops and the door must close immediately.
- Now installing nor the base gasket.

## Step 12



- Now the fuel cock can be reinstalled.
- Be sure the two sealing disks affixed under the screws.

This document was last generated on 2017-06-24 12:24:05 PM.